

**DEVICE FOR TESTING A NEUTRAL ELECTRODE**

**ABSTRACT OF THE DISCLOSURE**

The invention relates to a device for testing a neutral electrode (1) for use in electrosurgery, comprising a measuring surface (25) which is formed by a plurality of measuring electrodes (20), whereon the neutral electrode (1) is applied. Each measuring electrode (20) of the measuring surface (25) is connected to a replacement resistance circuit (70) representing at least one layer of the human skin, which is placed in thermal contact with at least one temperature sensor (90). At least one resistance of the replacement-resistance circuit (70) is formed by means of a blind resistance (54).